

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/FR2004/001774

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G02F1/15 B61D17/12

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G02F B61D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 488 780 A (NICHOLSON MARGIE M) 18 December 1984 (1984-12-18) column 3, line 42 - line 51 column 5, line 6 - line 13	1,8-15
A	US 5 187 496 A (YU ROBERT C U) 16 February 1993 (1993-02-16) column 2, line 60 - column 3, line 10 column 10, line 61 - column 11, line 5	1
A	US 5 981 076 A (OJEDA JAIME R) 9 November 1999 (1999-11-09) column 1, line 12 - line 30 column 9, line 52 - line 55 table 2	1
	----- -/--	



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of the actual completion of the international search

20 December 2004

Date of mailing of the international search report

03/01/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Petitpierre, O

INTERNATIONAL SEARCH REPORT

International Application No

PCT/FR2004/001774

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 99/45415 A (MAURER MARC ;FISCHER KLAUS (DE); HANS ALFRED (DE); HUHN NORBERT (D) 10 September 1999 (1999-09-10) cited in the application page 2, line 31 - page 4, line 9 -----	1,2
A	US 4 927 246 A (ITO TOSHIYASU ET AL) 22 May 1990 (1990-05-22) column 1, line 5 - line 40 -----	3-7
A	EP 0 363 045 A (FORD WERKE AG ;FORD FRANCE (FR); FORD MOTOR CO (GB); FORD MOTOR CO) 11 April 1990 (1990-04-11) column 5, line 5 - line 43 -----	3-7

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

FR2004/001774

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 4488780	A	18-12-1984	US 4456337 A	26-06-1984
			DE 3280035 D1	28-12-1989
			EP 0081031 A1	15-06-1983
			JP 1618205 C	12-09-1991
			JP 2041725 B	19-09-1990
			JP 58098722 A	11-06-1983
			US 4501472 A	26-02-1985
US 5187496	A	16-02-1993	JP 4260044 A	16-09-1992
US 5981076	A	09-11-1999	AU 2992697 A	03-07-1998
			CA 2274774 A1	18-06-1998
			CN 1244156 A, B	09-02-2000
			DE 69723098 D1	31-07-2003
			DE 69723098 T2	06-05-2004
			EP 0942830 A1	22-09-1999
			JP 2001505835 T	08-05-2001
			KR 2000057453 A	15-09-2000
			WO 9825763 A1	18-06-1998
			US 6120901 A	19-09-2000
WO 9945415	A	10-09-1999	DE 19808795 A1	09-09-1999
			AT 264513 T	15-04-2004
			BR 9904874 A	19-09-2000
			DE 69916378 D1	19-05-2004
			EP 0980534 A1	23-02-2000
			WO 9945415 A1	10-09-1999
			JP 2001523358 T	20-11-2001
			PL 336583 A1	03-07-2000
			US 6503636 B1	07-01-2003
US 4927246	A	22-05-1990	JP 64029627 U	22-02-1989
EP 0363045	A	11-04-1990	US 4923289 A	08-05-1990
			CA 1318387 C	25-05-1993
			DE 68907843 D1	02-09-1993
			DE 68907843 T2	11-11-1993
			EP 0363045 A1	11-04-1990